

SECTION 00870

ELASTOMERIC JOINT SEALANT

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Elastomeric joint seal material for concrete structures

1.2 REFERENCES

- A. ASTM D 412: Vulcanized Rubber and Thermoplastic Rubbers and Thermoplastic Elastomers-Tension

PART 2 PRODUCTS

2.1 SEALANT MATERIAL

- A. With the following characteristics:
 - 1. Applied cold and curable under field conditions
 - 2. Polyurethane based, gun grade
 - 3. Elastomeric, non-sag seal
 - 4. Bonds tightly to concrete sides and joints
- B. Physical properties when cured 21 days at 73 degrees F. Refer to table 1.

Table 1

Physical Properties - Sealant Material		
Property	Value	Method
Modulus of elasticity of 100 percent elongation	132 psi	ASTM D 412
Hardness	40 ± 5	Shore A
Elongation (at break)	450 percent	ASTM D 412
Recovery	Greater Than 90 percent	
Tensile strength	190 psi	ASTM D 412
Adhesive in Peel	20 lbs/inch	
Adhesive loss	0 percent	
Service range	-40 degree F to 150 degrees F	
Initial cure, tack free, (depending on temperature and humidity)	6 to 8 hours	
Final cure	5 to 8 hours	
Staining Characteristics	Non-staining	
Color	Gray	

PART 3 EXECUTION**Not Used**

END OF SECTION